

IN THE CLAIMS:

1. (Currently Amended) A fluid flow control valve having an input and an output for maintaining a constant fluid flow at the output regardless of fluid pressure at the input, the control valve comprising:

an inlet socket ~~permitting fluid flow through~~ having an orifice along a longitudinal axis ~~through~~ of the inlet socket ~~for permitting fluid flow through the inlet socket;~~

an outlet socket attached to the inlet socket ~~permitting fluid flow from the inlet socket through~~ having an orifice along a longitudinal axis ~~through~~ of the outlet socket ~~for permitting fluid flow from the inlet socket through the outlet socket;~~

a pressure check piston having a first and second end and a fluid flow orifice between the first and second end, the piston slidably engaging the inlet socket at the first end and the outlet socket at the second end; and

a spring biasing the pressure check piston towards the inlet socket.

2. (Original) The fluid flow control valve of claim 1 further comprising a pressure seal located around the orifice in the outlet socket.

3. (Original) The fluid flow control valve of claim 2 wherein the second end of the pressure check piston is adapted to close the orifice in the outlet socket when the second end of the pressure check piston is pressed against the pressure seal.

4. (Original) The fluid flow control valve of claim 1 wherein fluid flow through the orifice in the inlet socket, the orifice in the pressure check piston, and the orifice in the outlet socket, when the pressure check piston is biased toward the inlet socket by the spring.

5. (Original) The fluid flow control valve of claim 1 wherein the second end of the pressure check piston is adapted to be impacted by fluid flow through the control valve.

6. (Original) The fluid flow control valve of claim 5 wherein the spring biasing the pressure check piston towards the inlet socket is adapted to be compressed by fluid flow impacting the pressure check piston.

7. (Original) The fluid flow control valve of claim 6 wherein the fluid flows through the orifice in the pressure check piston when the fluid flow impacting the pressure check piston compresses the spring.

8. (Original) The fluid flow control valve of claim 7 further comprising a pressure seal located around the orifice in the outlet socket.

9. (Original) The fluid flow control valve of claim 8 wherein the second end of the pressure check piston is adapted to close the orifice in the outlet socket when the second end of the pressure check piston is pressed against the pressure seal by fluid flow impacting the pressure check piston.

10-15. (Cancelled)